

WHAT IS CLAIMED IS:

1. A seat track for vehicles, comprising:

a fixed rail having a horizontal bottom fixed piece, a
5 pair of first and second grooves formed by bending both side
portions of the fixed piece at a right angle and rounding a
center portion of each of the resulting vertical bent portions
to have an outwardly convex semi-circular form for allowing
balls to be inserted therein, a first end piece formed by
10 downwardly bending a vertical end portion of the second groove
by an acute angle, a vertical piece extending upwardly from an
upper end of the first groove by a relatively long length, and
a second end piece formed by twice bending an upper end portion
of the vertical piece at a right angle;

15 a movable rail having a seat mounting portion, which has
a width slightly narrower than that of the fixed piece of the
fixed rail and is coupled at an upper surface thereof to a
seat, a pair of first and second vertical walls formed by
downwardly bending both side portions of the seat mounting
20 portion at a right angle, first and second grooves formed by
bending an end portion of each of the vertical walls so as to
form a U-shaped portion and rounding the resulting bent portion
to have an inwardly convex semi-circular form for allowing the
balls to be inserted therein at the same position as the first
25 grooves of the fixed rail, and a vertical piece extending

upwardly from an upper end of the first groove; and

the balls inserted in spaces defined between the grooves of the fixed rail and movable rail, the balls serving to enable the movable rail to move inside the fixed rail while coming into point contact with the fixed rail.

2. The track as set forth in claim 1, wherein the second end piece of the fixed rail includes a plurality of locking pin fitting holes for allowing locking pins of a pin type locking device to laterally penetrate therethrough, the locking pin fitting holes being spaced apart from one another at constant distances.

3. The track as set forth in claim 1, wherein: the second wall of the movable rail is formed with four locking pin fitting holes for allowing locking pins of a pin type locking device to laterally penetrate therethrough, and two locking device fixing holes located, respectively, at both sides of the fitting holes for fixing the locking device;

the first wall of the movable rail is formed with four locking pin fitting holes at the same positions as the locking pin fitting holes of the second wall; and

the vertical piece of the movable rail is formed with four locking pin fitting holes at the same positions as the locking pin fitting holes of the first and second walls for

penetration of the locking pins.